

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	IS&R	L1	7	((("5338358") or ("5244787") or ("5232667") or ("5068091") or ("5023187") or ("4731335") or ("4401625")).PN.	USPAT	2003/12/10 16:41
2	IS&R	L2	5	((("4731335") or ("4777020") or ("5002736") or ("4985206") or ("5068091")).PN.	USPAT	2003/12/10 16:54
3	BRS	L3	1	1 and (inductor or induction)	USPAT	2003/12/10 16:58
4	BRS	L4	0	2 and (inductor or induction)	USPAT	2003/12/10 16:58
5	BRS	L5	2026	((inductor or induction) with heat\$3) and (specimen or tissue)	USPAT; EPO; JPO; DERWE NT	2003/12/10 17:57
6	BRS	L6	16	5 and ((support\$3 with member) or carrier) and (cartridge or (cover near plate))	USPAT; EPO; JPO; DERWE NT	2003/12/10 17:10
7	BRS	L7	59	5 and (cartridge or (cover near plate))	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:03
8	BRS	L8	478	5 and biological	USPAT; EPO; JPO; DERWE NT	2003/12/10 17:58
9	BRS	L9	456	8 not 7	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:04
10	BRS	L10	13	9 and (induction near coil\$1)	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:13

	Type	L #	Hits	Search Text	DBs	Time Stamp
11	BRS	L11	254	9 and (induction near heat\$3)	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:13
12	BRS	L12	246	11 not 10	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:46
13	BRS	L13	10	("4545368" "4657543" "4662359" "4735796" "4767611" "4827945" "5019372" "5152758" "5226902" "5366454").PN.	USPAT	2003/12/10 18:40
14	BRS	L14	613	219/635	USPAT; EPO; JPO; DERWE NT	2003/12/10 18:46
15	IS&R	L15	338	(219/635).CCLS.	USPAT	2003/12/10 18:46
16	IS&R	L16	124	(219/647).CCLS.	USPAT	2003/12/10 18:48
17	IS&R	L17	540	(435/440).CCLS.	USPAT	2003/12/10 18:48
18	IS&R	L19	464	(604/890.1).CCLS.	USPAT	2003/12/10 18:49
19	IS&R	L20	747	(210/634).CCLS.	USPAT	2003/12/10 18:49
20	IS&R	L21	0	("14or15or16or17or18or19or20").PN.	USPAT	2003/12/10 18:50
21	BRS	L22	2349	14 or 15 or 16 or 17 or 18 or 19 or 20	USPAT	2003/12/10 18:51
22	BRS	L23	10	22 and (induction with (heat\$3 or coil\$1)) and specimen	USPAT	2003/12/10 18:59
23	BRS	L24	9	(induction with (heat\$3 or coil\$1)) and (biological near specimen)	USPAT	2003/12/10 19:03
24	BRS	L25	0	219/\$.ccls. and ((induction with (heat\$3 or coil\$1)) with (biological near	USPAT	2003/12/10 19:04
25	BRS	L26	2811	219/\$.ccls. and ((induction with (heat\$3 or coil\$1)))	USPAT	2003/12/10 19:04
26	BRS	L27	0	26 and ((biological near specimen))	USPAT	2003/12/10 19:04

DERWENT-ACC-NO: 2001-147407

DERWENT-WEEK: 200347

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TITLE: Controlling temperature of
biological specimen fixed to
solid carrier with capture probes
e.g. microscope slide
by subjecting to oscillating magnetic
field

INVENTOR: ADELHORST, K; WINTHER, L

PATENT-ASSIGNEE: DAKO AS [DAKON]

PRIORITY-DATA: 1999DK-0001044 (July 21, 1999)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC	
JP 2003520945 W		July 8, 2003		N/A
044	G01N	001/28		
WO 200107890 A2		February 1, 2001		E
043	G01N	001/44		
AU 200059679 A		February 13, 2001		N/A
000	G01N	001/44		
EP 1204851 A1		May 15, 2002		E
000	G01N	001/44		

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ
CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI
FR GB GH GM GR IE
IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW AL AT BE
CH CY DE DK ES FI
FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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APPL-DATE		
JP2003520945W	N/A	
2000WO-DK00417	July 21, 2000	
JP2003520945W	N/A	
2001JP-0512270	July 21, 2000	
JP2003520945W	Based on	WO 200107890
N/A		
WO 200107890A2	N/A	
2000WO-DK00417	July 21, 2000	
AU 200059679A	N/A	
2000AU-0059679	July 21, 2000	
AU 200059679A	Based on	WO 200107890
N/A		
EP 1204851A1	N/A	
2000EP-0945675	July 21, 2000	
EP 1204851A1	N/A	
2000WO-DK00417	July 21, 2000	
EP 1204851A1	Based on	WO 200107890
N/A		

INT-CL (IPC): B01L007/00, G01N001/28 , G01N001/44 ,
 G01N033/48 ,
 G02B021/34

ABSTRACTED-PUB-NO: WO 200107890A

BASIC-ABSTRACT:

NOVELTY - Method for controlling the temperature of a specimen fixed to or in contact with a solid carrier with capture probes comprises subjecting the support to induction heating by exposing the support (which comprises a conducting material) to an oscillating magnetic field

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(1) a method for performing an automatic or semi-automatic assay of specimens fixed on a microscope slide which comprises placing the slide in a cartridge comprising an inner layer of conductive material (or having an inner wall incorporating conductive material) and placing the cartridge in an induction coil through which an alternating current is passed to

generate a magnetic field;

(2) a method for controlling the temperature of a specimen (or capture probe) fixed onto microbeads made of an electrically-conductive material which comprises entraining the beads in a liquid flow which is passed through an oscillating magnetic field; and

(3) a solid support in combination with a carrier for a biological specimen or capturing probes for a sample to be tested or treated in which the support is at least partly of a glass or polymer material and the support comprises an electrically-conductive material.

USE - For controlling temperature of a biological specimen, in solid or liquid state fixed to a carrier such as microscope slide. The device may be useful in immunohistochemical procedures or in in situ hybridization of special strains (claimed).

ADVANTAGE - The heat regulation is fast simple and precise and is not hazardous to health.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-section of a cartridge with a microscope slide

Cartridge 1

Slide 2

Specimen 3

Metal membrane 5

Compartments 6,7

Induction coil 8

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: CONTROL TEMPERATURE BIOLOGICAL SPECIMEN FIX
SOLID CARRY CAPTURE
PROBE MICROSCOPE SLIDE SUBJECT OSCILLATING
MAGNETIC FIELD

DERWENT-CLASS: A89 B04 J04 P81 S03

CPI-CODES: A99-A; B04-C03; B11-C07A7; B12-K04; J04-B01;

EPI-CODES: S03-E13D;

CHEMICAL-CODES:

Chemical Indexing M6 *01*

Fragmentation Code

M905 P831 Q120 Q435 R515 R526 R527 R528 R627 R639

Chemical Indexing M1 *02*

Fragmentation Code

M423 M424 M740 M750 M905 N102 Q120 Q435

Specific Compounds

A00GTK A00GTA

Chemical Indexing M1 *03*

Fragmentation Code

M423 M424 M740 M781 M905 N102 P831 Q435

Specific Compounds

A00I9K A00I9D

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2001-043697

Non-CPI Secondary Accession Numbers: N2001-107889